Request to Archive
With The National Centers for Environmental Information
For Integrated Ocean Drilling Program (IODP)- Japan/Europe Core Data and Images
Provided by IODP>MI

2013-01-28

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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Based in Japan.

2. Name the organization or group responsible for creating the dataset.

IODP, IODP-CDEX, IODP-ECORD

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

Data is scientific ocean drilling data. The data are very similar in parameters and spatial coverage to the DSDP, ODP and IODP-USIO data currently archived at NGDC.

Data includes physical properties, geochemistry, petrology, pore water chemistry, lithology and visual, core descriptions, downhole logging, micropaleontology, core photos, and other types. Data was collected throughout the world's oceans between 2003 and 2013.

Much of the data is ASCII text-based data. Some data are provided in binary format (e.g., .dat). Core photos are provided in JPEG format.

The data are mostly shipboard data collected during an IODP expedition. The European data collection effort for non-ephemeral properties often takes place following the expedition at an on-shore science party.

The data are organized by Expedition, Site, Hole, and Core Section, as appropriate.

The directory structure would closely fit the existing structures used for IODP, ODP and DSDP data archived at NGDC. The data will fit into a Expedition, Site, Hole, Parameter/Measurement Type directory structure.

The data was collected using IODP data collection systems J-CORES (Japan) and DIS (Europe), and was formatted to a standard format within the Scientific Earth Drilling Information System (SEDIS). All data have corresponding ISO19115 metadata with URI source citation referencing the IODP implementing organization source data system.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2003 to 2013

5. Edition or version number(s) of the dataset:
Archived version is generally 1.0, although there are cases where the data has been corrected and archived data will be a later version.

6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?
Data ranges from unprocessed raw observations to processed and QC'd data.

7. Approximate date when the dataset was or will be released to the public:
2004-01

8. Who are the expected users of the archived data? How will the archived data be used?
Scientists, Educators, Students, General Public

9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
Significant subsets of the data have been published in peer-reviewed IODP Proceedings Volumes.

10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?
IODP is the sucessor to ODP and DSDP. IODP-USIO data are archived at NDGC via a separate agreement.

11. List the input datasets and ancillary information used to produce the data.
Logging data has been processed from binary formats to ASCII text-based data.

12. List web pages and other links that provide information on the data.
All data sets have corresponding metadata in the ISO19115 standard format.

13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.
1. Item description

14. Indicate the data file format(s).
1. CSV
2. XML
3. TIFF
4. JPG

15. Are the data files compressed?
No

16. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).
Exp. Site. Hole. Measurement Type(s).

17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Data from Expeditions 314 (Japan) and 325 (Europe) are examples, available here:
http://sedis.iodp.org/search.php?index=datasets&q_=&q_aggProject=IODP&q_aggExpedition=&q_aggSite=&q_aggHole=&q_region=&maxlat=&minlon=&maxlon=&minlat=&mindate=&maxdate=&count=100

18. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	50GB
Number of Data Files:	5000

19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

Corrected data versions and updated metadata may be submitted. Such updates are infrequent.

20. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location:	MARUM, Bremen, Germany
System Name:	Scientific Earth Drilling Information System
System Owner:	IODP-MI
Additional Information:	Add comments as needed on applicable data types, etc.

21. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH
3. Physical Media Delivery

WGET, etc.

22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links

23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

These data are collected by IODP operators in Europe and Japan. As an NSF-funded program, IODP data should be archived at a US data archive. These data will complement the existing IODP-USIO, ODP and DSDP data archived at NGDC.

25. Are the data archived at another facility or are there plans to do so? Please explain.

No

26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

27. Do you have a data management plan for your data?

No

28. Have funds been allocated to archive the data at NCEI?

No

29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

Scientific Earth Drilling Information System (SEDIS)

30. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2013-09-30

Accessible by:

31. Add any other pertinent information for this request.

None